

Canon Paleo Curriculum
Unit: Nature of Science
Lesson Plan: 8

Activity Name: Observation and Inference Quiz

Supplies:

Observation and Inference Worksheet

Preparation:

Copy worksheet for students

Review definitions of observation and inference

Concept:

Students learn to distinguish between observation and inference. Later they will be apply these ideas to their hypothesis.

Activity:

Have students fill out worksheet

Reveiw answers

Conclusions:

By doing these simple exercises, students begin to think like scientists who are observing the world around us. These exercises help students to develop a more objective way of observing their surroundings.

Time: 20-25 Minutes

Inferences and Observations QUIZ

An observation is anything that can be taken in through the senses. This would be things that you see, hear, taste, smell, touch, or taste. An inference is a statement that explains the observations.

Suppose your friends went to the beach at noon on a warm day. They saw some black and white birds. Which of the following statements are observations and which are inferences? Indicate your answer with either the letter "O" for an observation, or the letter "I" for an inference.

1. _____ It is summertime.
2. _____ It is day time.
3. _____ They saw birds.
4. _____ They saw seagulls.
5. _____ They went swimming.
6. _____ One friend's name was Bob.
7. _____ It was a warm day.
8. _____ The birds were black and white.
9. _____ They ate lunch and drank Coke.
10. _____ The people are friends.

Inferences and Observations Quiz - KEY FOR TEACHERS

An observation is anything that can be taken in through the senses. This would be things that you see, hear, taste, smell, touch, or taste. An inference is a statement that explains the observations.

Suppose your friends went to the beach at noon on a warm day. They saw some black and white birds. Which of the following statements are observations and which are inferences? Indicate your answer with either the letter "O" for an observation, or the letter "I" for an inference.

1. ___I___ It is summertime.
2. ___O___ It is day time.
3. ___O___ They saw birds.
4. ___I___ They saw seagulls.
5. ___I___ They went swimming.
6. ___I___ One friend's name was Bob.
7. ___O___ It was a warm day.
8. ___O___ The birds were black and white.
9. ___I___ They ate lunch and drank Coke.
10. ___I/O___ The people are friends.